

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450



Re: Inventor: Peter F. Chu  
Title: EER MODULATOR WITH POWER AMPLIFIER HAVING FEEDBACK LOOP PROVIDING SOFT OUTPUT IMPEDANCE

Transmitted herewith is the patent application identified above, including:

- ☒ Specification, claims and abstract, totaling 15 pages
- ☒ Drawings totaling 4 pages, ☒ Formal
- ☒ Executed Declaration and Power of Attorney
- ☒ Assignment of the invention to Northrop Grumman Corporation
- ☒ Assignment Recordation Cover Sheet
- ☒ Information Disclosure Statement, Form PTO-1449, and two (2) non-patent literature documents

FEE CALCULATION					
Fee Items	Claims Filed	Included With Basic Fee	Extra Claims	Fee Rate	Total
Total Claims	15	-20=	0	X\$18.00	\$000.00
Independent Claims	2	-3=	0	X\$86.00	\$000.00
Basic Filing Fee				\$770.00	\$770.00
TOTAL FEES					\$770.00

☒ The Commissioner is hereby authorized to charge \$770.00 to Deposit Account No. 50-0338.

☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0338. A duplicate copy of this transmittal is enclosed.

☒ Please address all future correspondence to:  
**Robert M. Wallace**  
**Patent Counsel**  
**2112 Eastman Avenue, Suite 102**  
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I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Express Mail Receipt No. EL 981376108 US

Date of Deposit December 8, 2003

Signature Shelly Hart

Respectfully submitted,  
  
Robert M. Wallace  
Registration No. 29,119